

**Claims:**

1. The use of biocide-containing, water-redispersible polymer powder compositions in mineral building compositions, with the water-redispersible polymer powder compositions based on a film-forming polymer containing from 0.001 to 0.5% by weight of a biocidally active additive.  
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- 10 2. The use as claimed in claim 1, characterized in that fungicides are used as biocides.
- 15 3. The use as claimed in claim 1 or 2, characterized in that compounds from the group consisting of isothiazolinones and benzisothiazolinones are used as biocides.
- 20 4. The use as claimed in claim 3, characterized in that N-octylisothiazolinone is used as biocide.
- 25 5. The use as claimed in any of claims 1 to 4, characterized in that the biocides are used in an amount of from 0.001 to 0.1% by weight, based on the total weight of the water-redispersible polymer powder composition.
- 30 6. The use as claimed in any of claims 1 to 5, characterized in that a polymer based on one or more monomers from the group consisting of vinyl esters, (meth)acrylic esters, vinyl aromatics, olefins, 1,3-dienes and vinyl halides and, if appropriate, further monomers which are copolymerizable therewith is used as film-forming polymers.
- 35 7. The use as claimed in claim 6, characterized in that a polymer from the group consisting of copolymers comprising vinyl acetate and ethylene, copolymers comprising vinyl acetate, ethylene and a vinyl ester of  $\alpha$ -branched monocarboxylic acids having from 9 to

11 carbon atoms, copolymers comprising styrene and one or more monomers from the group consisting of methyl acrylate, ethyl acrylate, propyl acrylate, n-butyl acrylate, 2-ethylhexyl acrylate is used as 5 film-forming polymer.

8. The use as claimed in any of claims 1 to 7, characterized in that the water-redispersible polymer powder compositions are obtained by mixing 10 the biocide into the aqueous polymer dispersions prior to drying or adding it only after drying.
9. The use as claimed in any of claims 1 to 8 in conjunction with hydraulically setting binders such 15 as cements or water glass or in gypsum-containing compositions or in lime-containing compositions or in cement-free compositions and/or in compositions bound by means of polymers.
- 20 10. The use as claimed in claim 9 for the production of building adhesives, in particular tile adhesives and thermal insulation adhesives, and in plasters and renders, knifing fillers, flooring screeds, leveling compositions, sealing slurries, jointing mortars and 25 paints and for sealing membranes in tunnel construction and underground works.